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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/898,480 | 07/05/2001 | Tomas Andreason | 1410-762 | 8452 |

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ARLINGTON, VA 22203

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| EXAMINER |
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AMINZAY, SHAIMA Q

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| ART UNIT | PAPER NUMBER |
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2684

DATE MAILED: 03/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/898,480

Applicant(s)

ANDREASON, TOMAS

Examiner

Shaima Q. Aminzay

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 December 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5, 7, 9-16, 18, 20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7, 9-16, 18, 20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments filed December 22, 2005 with respect to claims 1-5, 7, 9-16, 18, and 20 have been fully considered.

1. Arguments with respect to claims 1, 7, and 20 are moot as the amendment overcomes the claims Rejections –35 USC 112 First Paragraph, therefore, the rejections 35 USC 112 First Paragraph with respect to claims 1, 7, and 20 are withdrawn.
2. Applicant's arguments with respect to claims 1-5, 7, 9-16, 18, and 20 under Rejection-35 USC 103(a) have been fully considered but are moot in view of the new ground(s) of rejection.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections – 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-5, 7, 9-16, 18, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Henon (Henon U. S. Patent 6,999,769) in view of Jensen (Jensen et al., U. S. Patent 5,390,233).

Regarding claim 1, Henon discloses an arrangement in a telephony system (see for example, *Figures 1-6, column 1, lines 10-28, lines 49-67, column 2, lines 38-39, lines 49-54, the telecommunication system (telephony system)*) comprising: at least one mobile radio telephone for being radio connected to a mobile radio telephony network in the telephony system via a radio link (see for example, *column 1, lines 6-67, column 2, lines 49-67 continued to column 3, lines 1-3, the mobile radio (110) connection with the mobile network telecommunication system (106)*); and at least one stationary telephony terminal (see for example, *Figure 1 (102), column 2, lines 38-39, lines 49-54, the stationary telephone (102) connection and the telecommunication system*), wherein the stationary telephony terminal and the mobile radio telephone each have a short range transceiver for intercommunication via a short range wireless

communication link (see for example, column 1, lines 6-67, column 2, lines 49-67 continued to column 3, lines 1-16, the mobile terminal and stationary telephone having short-range radio transceiver for communication is short range wireless communication system); wherein the stationary telephony terminal is arranged to communicate over the mobile radio telephony network via the mobile radio telephone (see for example, column 1, lines 6-67, column 2, lines 49-67, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, the stationary telephone (102) communicates with the wireless radio network via mobile telephone (110)), and wherein the stationary terminal includes [a device for] generating a ring signal to indicate of an incoming call (see for example, column 3, lines 63-67, column 4, lines 1-18, the stationary telephone generate a ring to indicate incoming call).

Henon does not specifically teach a ring generating device, however, Henon teaches the stationary telephone generate a ring to indicate incoming call that implies that the stationary terminal having a ring generating device (see for example, column 3, lines 63-67, column 4, lines 1-18).

In related art dealing with telecommunication system (see for example, column 1, lines 14-25), Jensen discloses a ring-generating device included in stationary terminal (see for example, column 4, lines 26-30, lines 62-67 continued to column 5, lines 1-18, column 8, lines 22-29).

It would have been obvious to one skilled in the art at the time of invention to have included Jensen's ring-generating device into Henon's stationary terminal of telecommunication system "to provide a telecommunication system where

wireless telephones and conventional wired telephones are integrated to permit an in-progress telephone conversation to be transferred between wired and wireless telephones”, and “to support concurrent use of a wireless telephone and a wired telephone on the same telephone line without causing a loss of signal (audio) level and while maintaining a desired line termination impedance” (*Jensen, column 1, lines 62-67, and column 2, lines 1-5*).

Regarding claim 7, Henon discloses method for communicating in a telephony system via a communication arrangement (*see for example, Figures 1-6, column 1, lines 10-28, lines 49-67, column 2, lines 38-39, lines 49-54, the telecommunication system (telephony system)*) including: at least one mobile radio telephone for being radio connected to a mobile radio telephony network in the telephony system via a radio link and at least one stationary telephony terminal (*see for example, Figure 1, column 1, lines 6-67, column 2, lines 38-39, lines 49-67 continued to column 3, lines 1-3, the mobile radio (110) and stationary telephones (102, and 108) connection with the mobile radio network telecommunication system (106)*), the method comprising: intercommunicating via a short range wireless communication link between the stationary telephony terminal (*see for example, column 2, lines 49-67 continued to column 3, lines 1-16, the mobile terminal and stationary telephone having short-range transceiver for communication is short range wireless communication system*); and the mobile radio telephone (*see for example, Figure 1, the mobile radio (110)*);

communicating by the stationary telephony terminal over the mobile radio telephony network via the mobile radio telephony (see for example, column 1, lines 6-67, column 2, lines 49-67, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, the stationary telephone (102) radio communication with the wireless network via mobile telephone (110)); wherein the method further comprises: sending, from the stationary telephony terminals discovery signals over the short range wireless communication link (see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, the stationary telephone (102) communicates with the wireless network via mobile telephone); receiving in the mobile radio telephone said discovery signals (see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, the mobile telephone (110) receiving the transmit signal (discovery signal)); sending [response] signals from the mobile radio telephone (see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, 32-67, column 5, lines 1-3, lines 60-67, column 6, lines 1-2, the mobile telephone transmitting signal (acknowledgement)); receiving in the stationary telephony terminal the [response] signals (see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, 32-67, column 5, lines 1-3, lines 60-67, column 6, lines 1-2, the stationary telephone receiving mobile signal (acknowledgement)); and sending a mobile identification signal from the mobile radio telephone (see for example, column 1, lines 56-67

continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, 32-67, column 5, lines 1-3, lines 60-67, column 6, lines 1-2, sending mobile identification); and thereafter, generating a ring signal at the stationary telephony terminal to an incoming call (see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 3, lines 63-67, column 4, lines 1-18, 32-67, column 5, lines 1-3, lines 60-67, column 6, lines 1-2, the stationary telephone generate a ring to indicate incoming call).

Henon does not specifically teach the response signal, however, Henon teaches the acknowledgement signal (see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, 32-67, column 5, lines 1-3, lines 60-67, column 6, lines 1-2).

In related art dealing with telecommunication system (see for example, column 1, lines 14-25), Jensen discloses the response signal (see for example, column 6, lines 34-67, column 7, lines 1-28, column 10, lines 25-32).

It would have been obvious to one skilled in the art at the time of invention to have included Jensen's ring-generating device into Henon's stationary terminal of telecommunication system "to provide a telecommunication system where wireless telephones and conventional wired telephones are integrated to permit an in-progress telephone conversation to be transferred between wired and wireless telephones", and "to support concurrent use of a wireless telephone and a wired telephone on the same telephone line without causing a loss of signal (audio) level and while maintaining a desired line termination impedance"

(Jensen, column 1, lines 62-67, and column 2, lines 1-5).

Regarding claim 2, Henon in view of Jensen teach all the limitations in claim 1, and further, Henon teaches wherein the stationary telephony terminal has a device for taking a telephone number to a called subscriber *(see for example, column 3, lines 63-67, column 4, lines 1-18).*

Regarding claim 3, Henon in view of Jensen teach all the limitations in claim 1, and further, Henon teaches wherein the short range transceivers are radio transceivers *(see for example, column 1, lines 6-67, column 2, lines 49-67 continued to column 3, lines 1-16, the mobile terminal and stationary telephone having short-range transceiver for communication is short range wireless communication system, radio transceivers).*

Regarding claim 4, Henon in view of Jensen teach all the limitations in claim 3, and further, Henon teaches wherein the short range radio transceivers are BLUETOOTH transceivers *(see for example, column 1, lines 56-67, column 2, lines 52-54, column 3, lines 4-16, the short-range transceivers are BLUETOOTH).*

Regarding claim 5, Henon in view of Jensen teach all the limitations in claim 1, and further, Henon teaches wherein the short range transceivers are optical

transceivers (*see for example, column 1, lines 56-67, column 2, lines 52-54, column 3, lines 4-16, column 4, lines 50-52, the short-range transceivers are optical*).

Regarding claim 9, Henon in view of Jensen teach all the limitations in claim 7, and further, Henon teaches wherein the identification signal includes an individual identification signal for the mobile radio telephone (*see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, identification signal includes individual identification for mobile*).

Regarding claim 10, Henon in view of Jensen teach all the limitations in claim 7, and further, Henon teaches comprising the following steps: sending, from the mobile radio telephone, discovery signals over the short range wireless communication link (*see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67 continued to column 4, lines 1-18*); receiving in the stationary telephony terminal said discovery signals (*see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67 continued to column 4, lines 1-18, receiving the stationary telephone signal*); sending [response] signals from the stationary telephony terminal (*see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, 32-67, column 5, lines*

1-3, lines 60-67, column 6, lines 1-2, the stationary telephone transmitting (acknowledgement) signal); receiving in the mobile radio telephone the [response] signals (see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, 32-67, column 5, lines 1-3, lines 60-67, column 6, lines 1-2, the mobile telephone receiving (acknowledgement) signal); and sending a mobile identification signal from the mobile radio telephone (see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, 32-67, column 5, lines 1-3, lines 60-67, column 6, lines 1-2, sending mobile identification), and further, Henon teaches the response (see for example, column 6, lines 34-67, column 7, lines 1-28, column 10, lines 25-32).

Regarding claim 11, Henon in view of Jensen teach all the limitations in claim 10, and further, Henon teaches wherein the identification signal from the mobile radio telephone includes an individual identification signal for the mobile radio telephone (*see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, identification signal includes individual identification for mobile*).

Regarding claim 12, Henon in view of Jensen teach all the limitations in claim 9, and further, Henon teaches further comprising sending from the stationary telephony terminal an authentication code to the mobile radio telephone (*see for*

example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-67, column 4, lines 1-18, transmitting authentication code to mobile).

Regarding claim 13, Henon in view of Jensen teach all the limitations in claim 12, and further, Henon teaches further comprising taking a service code on the stationary telephony terminal; indicating when the sent authentication code is valid (*see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-67, column 4, lines 1-18, validation of authentication code*).

Regarding claim 14, Henon in view of Jensen teach all the limitations in claim 12, and further, Henon teaches comprising checking the authentication code in the mobile radio telephone (*see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-67, column 4, lines 1-18, verification of mobile authentication code*).

Regarding claim 15, Henon in view of Jensen teach all the limitations in claim 12, and further, Henon teaches checking the authentication code in the mobile radio telephony network telephone (*see for example, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-67, column 4, lines 1-18, verification of authentication code of mobile network*).

Regarding claim 16, Henon in view of Jensen teach all the limitations in claim

7, and further, Henon teaches comprising the following steps: receiving an incoming call on the mobile radio telephone via the radio link from the mobile radio telephony network (see for example, *Figure 1, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18*); transmitting a message regarding the call to the stationary telephony terminal via the short range wireless communication link (see for example, *Figure 1, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, the calls and message transmission via short-range wireless communication links*); and establishing a speech channel on the short range wireless communication link (see for example, *Figure 1, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, lines 39-52, column 5, lines 42-54*).

Regarding claim 18, Henon in view of Jensen teach all the limitations in claim 7, and further, Henon teaches comprising the following steps: setting up a connection on the short range wireless communication link (see for example, *Figure 1, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, connection to short-range wireless communication links*); taking a telephone number on the stationary telephony terminal to a called subscriber link (see for example, *Figure 1, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, the calls and message transmission via short-range wireless*

communication links); transmitting the telephone number to the mobile radio telephone via the short range wireless communication link (*see for example, column 3, lines 63-67, column 4, lines 1-18*); setting up a connection on the radio link from the mobile radio telephone to the mobile radio telephony network in dependence on the transmitted telephone number link (*see for example, Figure 1, column 1, lines 56-67 continued to column 2, lines 1-20, column 3, lines 1-16, lines 45-67, column 4, lines 1-18, the calls and message transmission via short-range wireless communication links*).

Regarding claim 20, Henon in view of Jensen teach all the limitations in claim 7, further, Henon teaches generating the ring signal (*see for example, column 3, lines 63-67, column 4, lines 1-18*), and further, Jensen teaches comprising generating a ring signal at the mobile radio telephone to indicate the incoming call in addition to the ring signal generated at the stationary telephony terminal (*see for example, column 4, lines 26-30, lines 62-67 continued to column 5, lines 1-18, column 8, lines 22-29*).

Conclusion

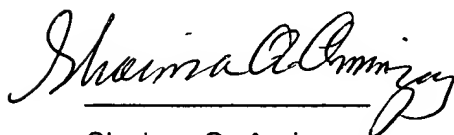
6. The prior art made of record considered pertinent to applicant's disclosure, see PTO-892 form.
7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-272-7874. The examiner can normally be reached on 7:00 AM -5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

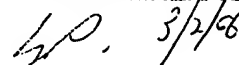


Shaima Q. Aminzay

(Examiner)

February 28, 2006

EDAN ORGAD
PATENT EXAMINER/TELECOMM.



Nay A. Maung

(SPE)